

C.I.P.S.

MODELE MATHEMATIQUE
POLLUTION MER DU NORD.

RAPPORT TECHNIQUE
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INTERCALIBRATION DES TECHNIQUES DE PRELEVEMENTS DE ZOOPLANCTON.

par

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Introduction

Les crustacés copépodes calanoïdes et Euterpina acutifrons (harpacticide planctonique) forment le groupe le plus abondant du zooplancton en Mer du Nord. De plus, ils sont ubiquistes et présents à toute époque. Pour ces raisons, ils constituent un matériel de choix pour l'étude dynamique du zooplancton. Les deux techniques de prélèvement utilisées (voir méthodes) sont de nature différente : la première technique permet un travail quantitatif puisque le volume d'eau filtré est connu mais ne fournit des informations que sur les espèces les plus abondantes. La seconde technique, par contre, permet un travail qualitatif plus complet mais ne fournit que peu d'informations quantitatives (le volume d'eau filtré étant beaucoup plus important mais mal défini). Nous avons voulu vérifier si les fréquences relatives des diverses espèces restent constantes avec les deux techniques. Si cela est vrai, nous pouvons compléter les données quantitatives obtenues directement en y ajoutant les quantités calculées des espèces les moins abondantes.

Méthodes:

1. Technique quantitative: 50 litres d'eau de sont prélevés au seau en surface et passés sur filet à mailles de 48 μ de côté. Le plancton retenu est récolté et fixé au formol 4%. Au laboratoire, la composition spécifique de tout l'échantillon récolté est déterminée et les nombres d'individus par espèce sont comptés à la

loupe stéréoscopique. Les stades copépodites sont comptés mais non déterminés. Dans le rapport global, le nombre de copépodites est additionné au nombre de copépodes adultes.

2. Technique qualitative: Un grand filet à plancton (mailles de 200μ de côté) est jeté à l'eau à ± 1 m de profondeur pendant 10 minutes environ. Le plancton retenu est récolté et fixé au formol 4% sur le bateau. Il est ensuite partagé en aliquotes homogènes distribuées entre 3 unités de recherches. Au laboratoire, les copépodes sont déterminés. cent individus sont pris au hasard, déterminés et les fréquences spécifiques calculées.

Résultats

Nous avons considéré le cas des six espèces les plus abondantes (*Acartia clausi*, *Centropages hamatus*, *Paracalanus parvus*, *Pseudocalanus gracilis*, *Temora longicornis*, *Euterpina acutifrons*). Les résultats ont été transformés en fréquences(%) pour pouvoir être comparés aux résultats du prélèvement qualitatif. Un calcul de régression linéaire a été fait chaque fois en considérant l'ensemble des valeurs disponibles (toutes les stations des croisières 01-1971, 02-1971, 03-1971, 01-1972, 02-1972 sauf les cas où il y avait moins de 10 copépodes adultes/50 litres).

Sur 68 échantillons, 50 ont été retenus en fonction de ce critère.

Cas de - *Acartia clausi* (fig. 1)

résultat de la régression: 0.8025

-*Centropages hamatus* (fig. 2)

résultat de la régression: 0.8566

-*Paracalanus parvus* (fig. 3)

résultat de la régression: 0.8398

-*Pseudocalanus gracilis* (fig. 4)

résultat de la régression: 0.8515

Temora longicornis (fig. 5)

résultat de la régression: 0.6309

-Euterpina acutifrons (fig. 6)

résultat de la régression: 0.6688

Conclusions

Pour les quatre premières espèces (*Acartia clausi*, *Centropages hamatus*, *Paracalanus parvus*, *Pseudocalanus gracilis*) le coefficient de régression est supérieur à 0.80 . Les figures 1 , 2 , 3 , 4 montrent une répartition des points autour de la diagonale. Dans le cas de *Temora longicornis*, le coefficient n'est que de 0.63 . La figure 5 montre une tendance vers de plus hautes fréquences dans l'échantillon qualitatif. Le coefficient de corrélation dans le cas d'*Euterpina acutifrons* est également plus faible. Le % le plus grand se trouve dans l'échantillon quantitatif. Ces différences indiquent des comportements spécifiques à mettre en relation avec les migrations dont ces organismes sont capables. La corrélation étant bonne , les deux méthodes peuvent se compléter et seront encore utilisées à l'avenir. L'analyse quantitative nous donne la biomasse par unité de volume d'eau , l'analyse qualitative donne un spectre plus complet de la composition faunistique.

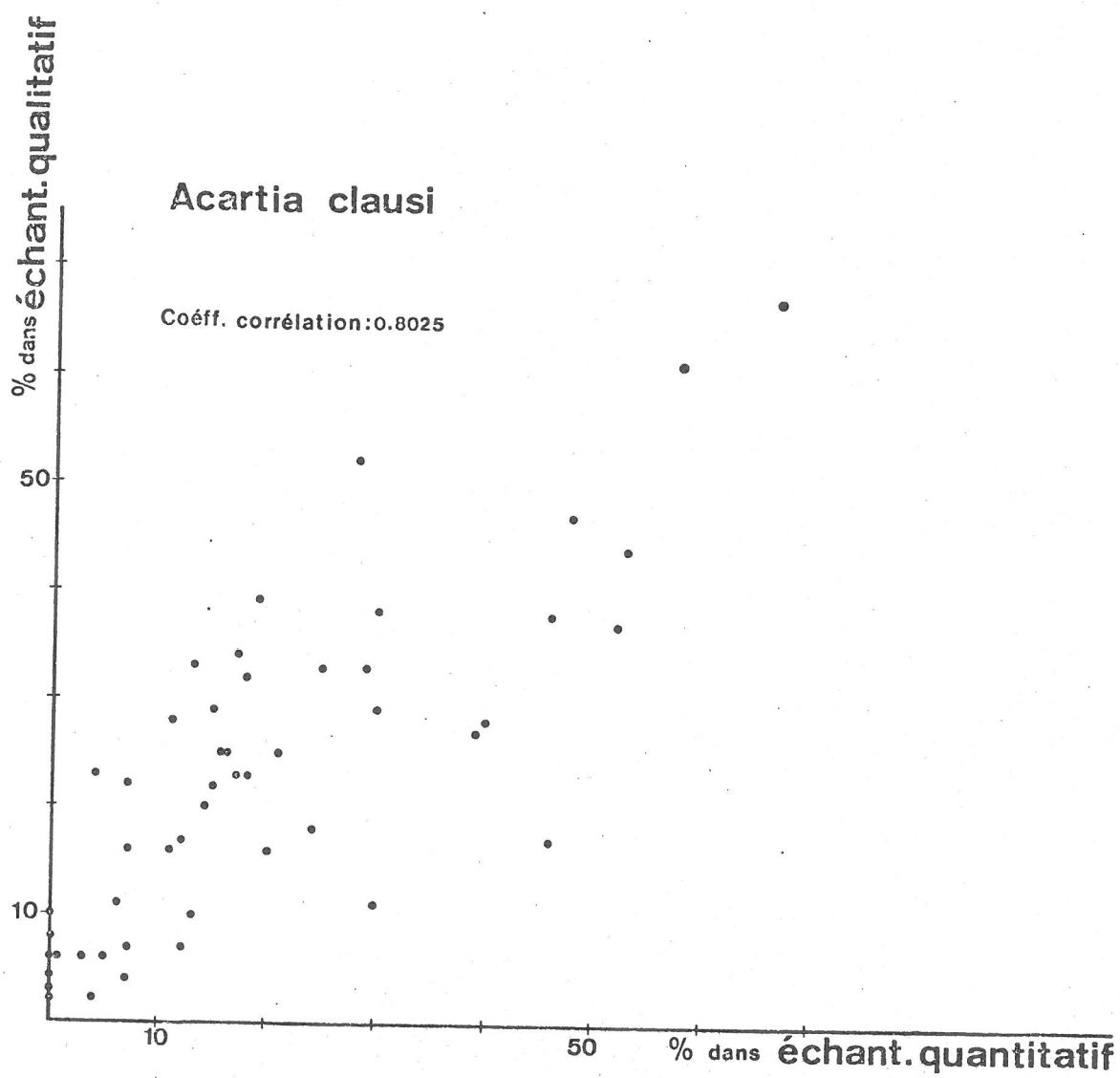


FIG. 1

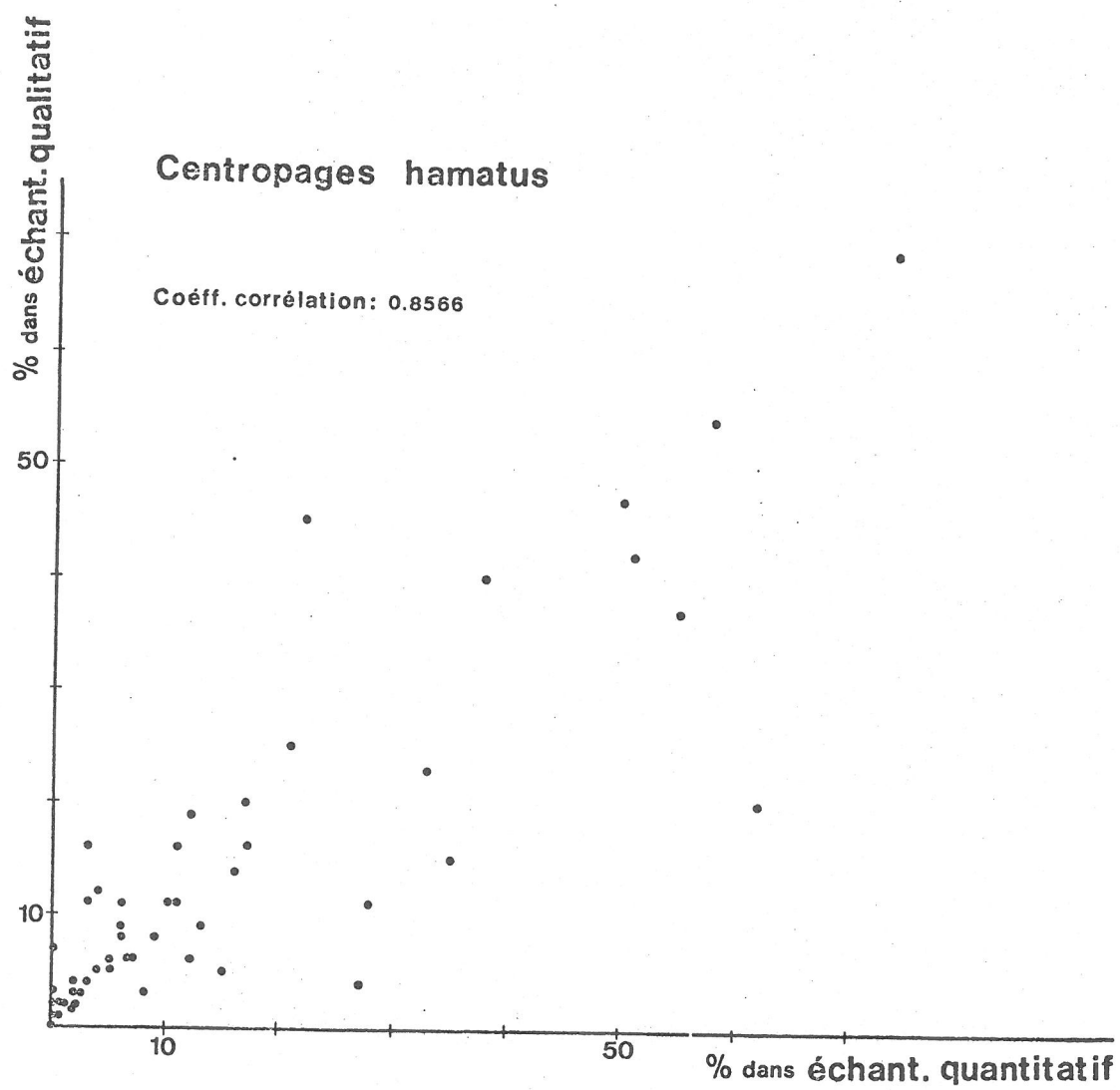


FIG. 2

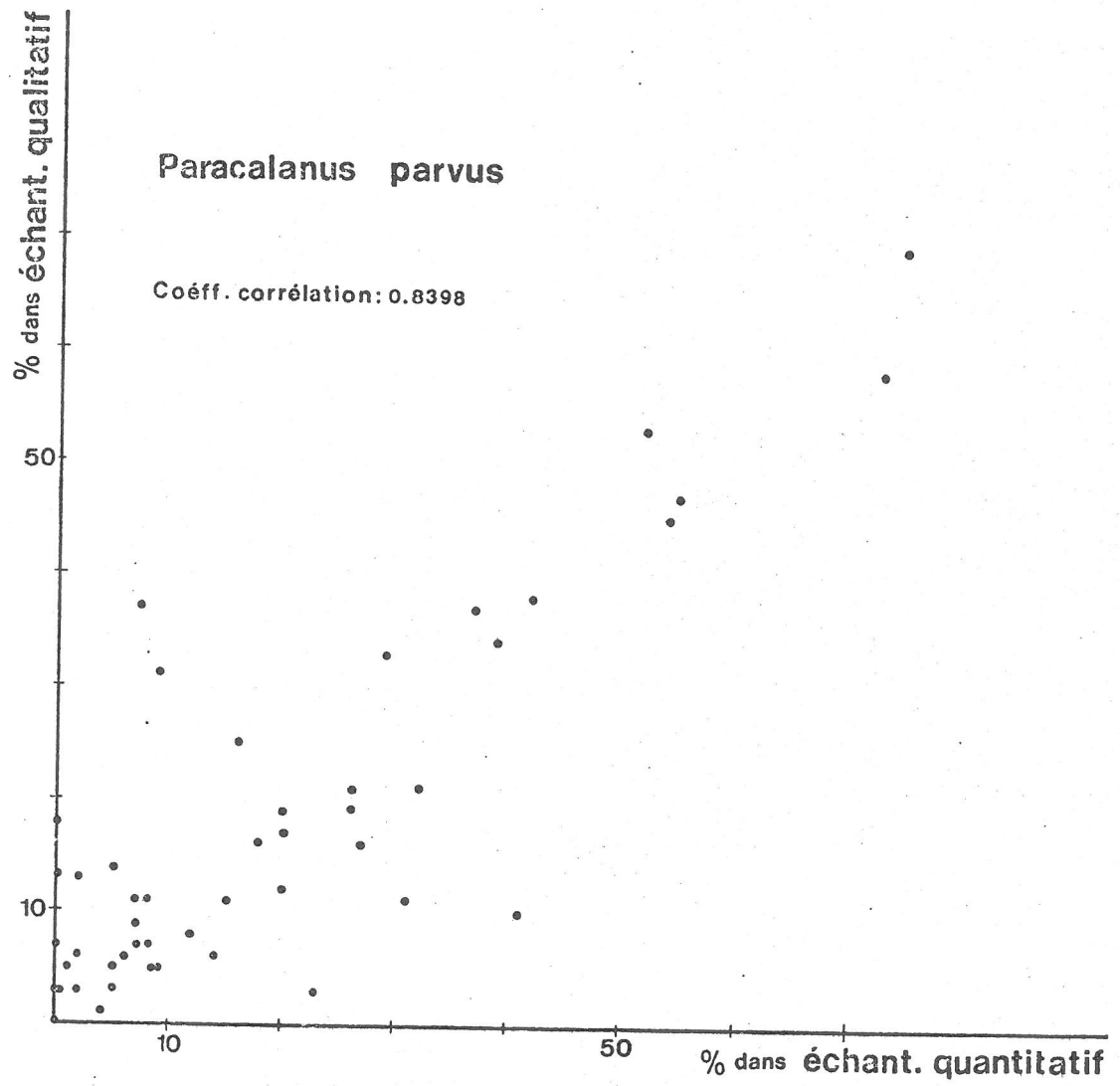


FIG. 3

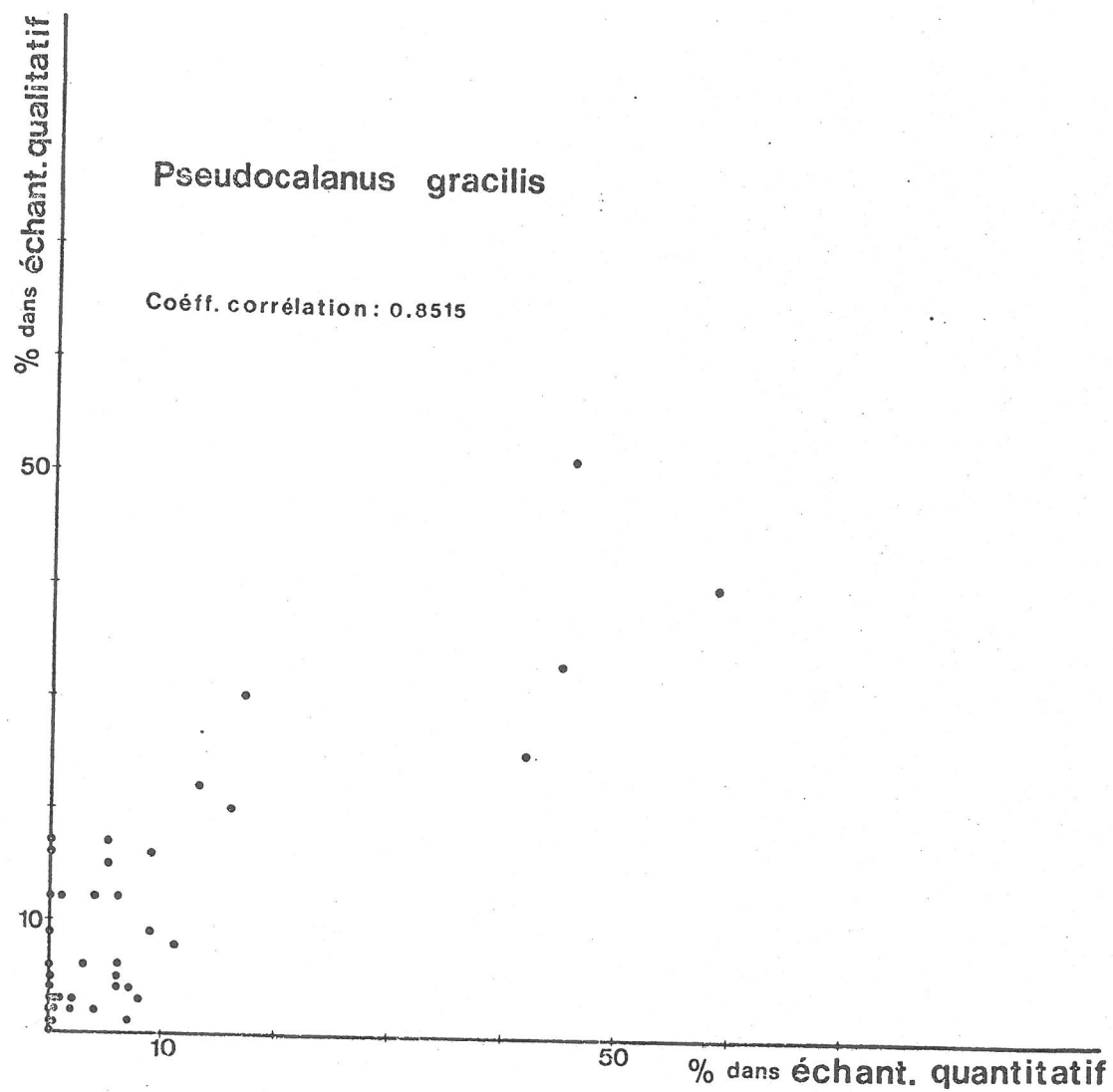


FIG. 4

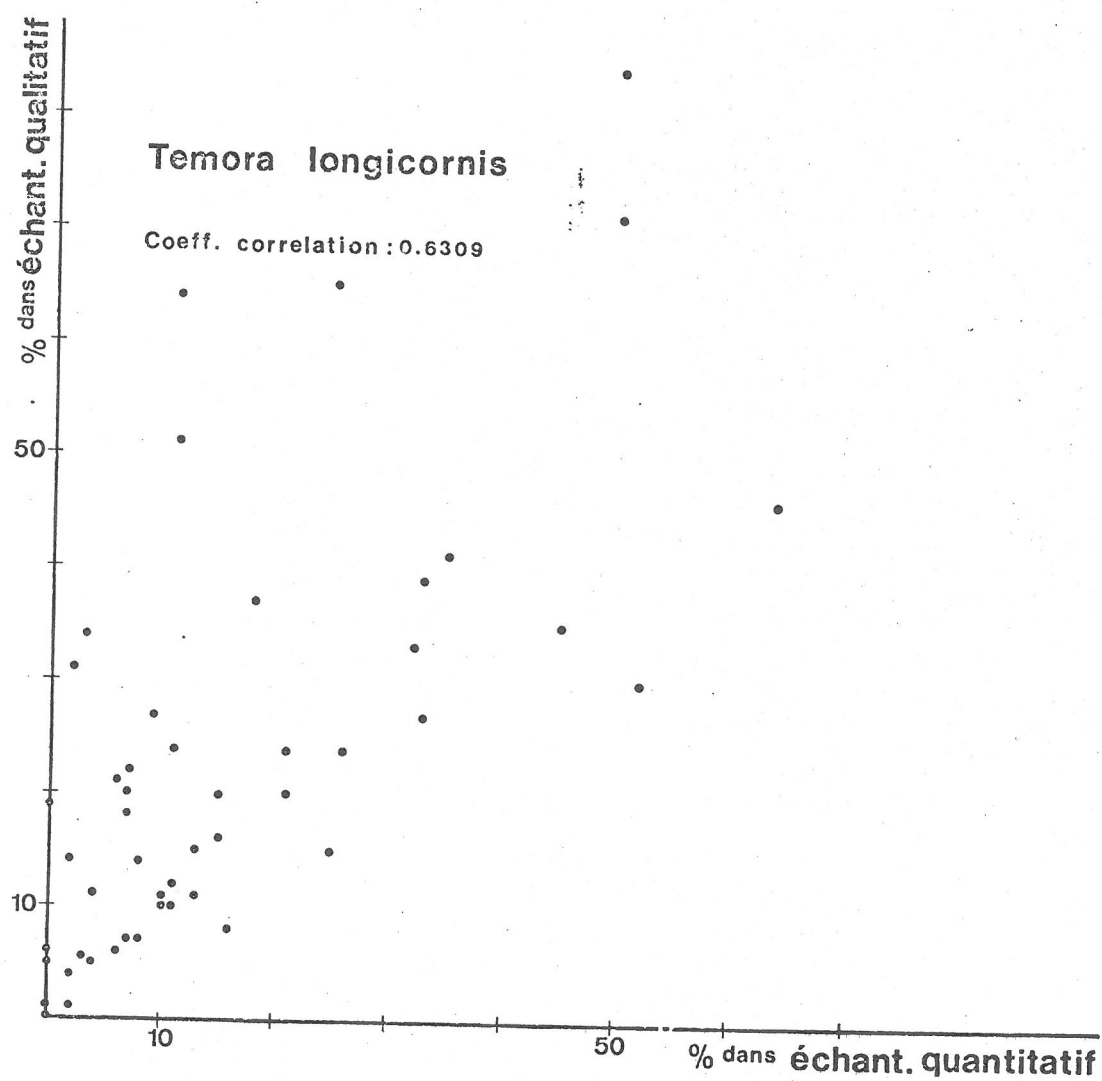


FIG. 5

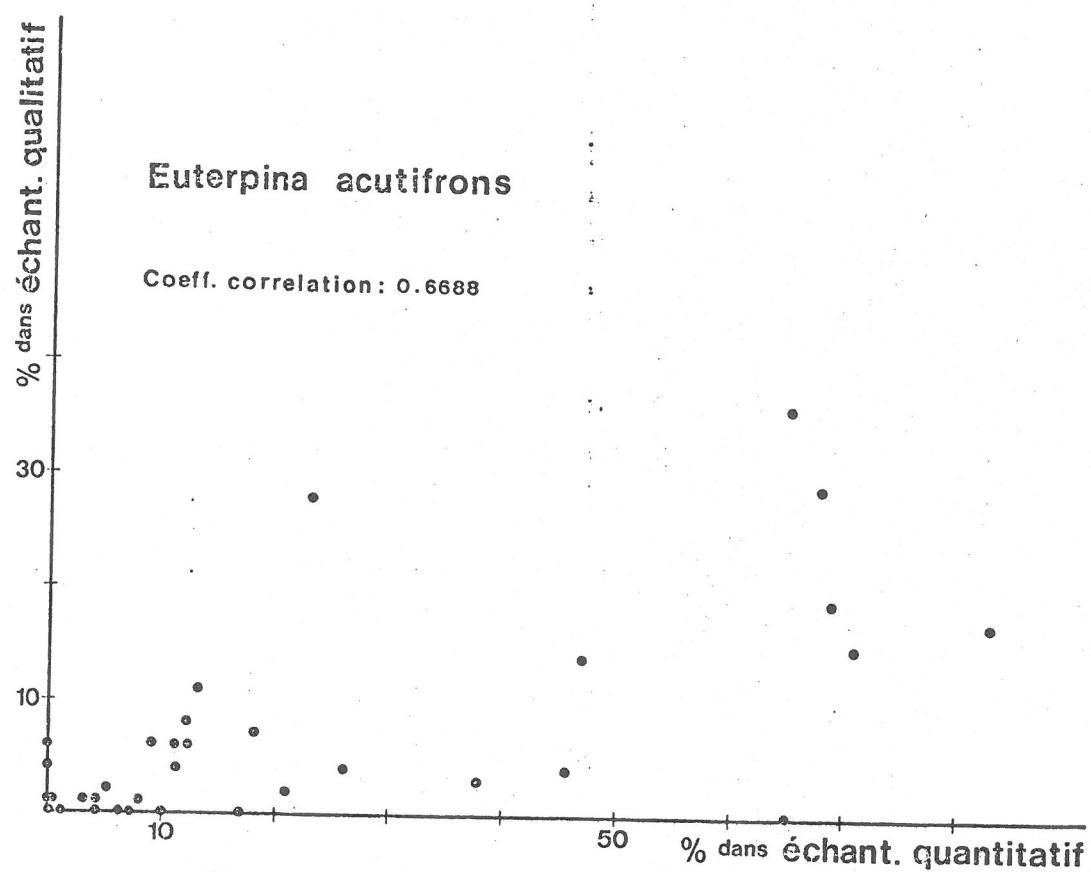


FIG. 6

DETERMINATION 100 COPEPODS

CRUISE 01 : JUIN - JUIL. 1971

STATION 1	Mo1	280671	00	
	PERCENTAGE	m ³ /50l.	AVG. REPR.	%ds ech. quant. totif
CALANOIDA				
ACARTIA CLAUSI	23	7	32	17
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	45	9	168	22
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	9	3	32	7
PSEUDOCALANUS G	3	1	10	2
TEMORA LONGICOR	15	10	54	20
HARPACTICIDAE				
ALTEUTA SP	0	1	0	2
AMPHIASCOPSIS C	0	1	0	2
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	7	0	17
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0
CYCLOPOIDA				
CYCLOPINA LITTO	5	1	13	2
COPEPODES PARASITES				
CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 2	Mo2	30 0671	00	1330
	PERCENTAGE		AVG. REPR.	
CALANOIDA				
ACARTIA CLAUSI	2	9	7	4
CALANUS HELGOLA	0		0	0
CENTROPAGES HAM	11	71	39	28
EUCALANUS SP	0	1	0	1
ISIAS CLAVIPES	0	2	0	1
PARACALANUS PAR	5	22	18	9
PSEUDOCALANUS G	11	19	39	8
TEMORA LONGICOR	71	127	255	50
HARPACTICIDAE				
ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	1	0	1
EUTERPINA ACUTI	0	1	0	1
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0
CYCLOPOIDA				
CYCLOPINA LITTO	0	0	0	0
COPEPODES PARASITES				
CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 3

1103

01 04 71

00

1500

PERCENTAGE mls / 50L AVG. REPR. % in quantitative sample.

CALANOIDA

ACARTIA CLAUSI	6	0	21	0
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	37	12	133	55
EUCALANUS SP	4	0	14	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	3	0	10	0
PSEUDOCALANUS G	12	0	43	0
TEMORA LONGICOR	35	10	126	45

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	1	0	3	0
EUTERPINA ACUTI	1	0	3	0
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	1	0	3	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 4

11 04

2306 71

00

14.45

CALANOIDA

ACARTIA CLAUSI	6	4	21	5
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	11	7	39	10
EUCALANUS SP	1	1	3	1
ISIAS CLAVIPES	1	0	3	0
PARACALANUS PAR	53	38	190	52
PSEUDOCALANUS G	3	6	10	8
TEMORA LONGICOR	24	15	86	21

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	1	2	3	3
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0



GENERAL ELECTRIC

Time - Sharing Service

BUL

GENE

N 02 07 71
PERCENTAGE m²/50L

00
ANG. REPR. % in quantitative sample

CALANOIDA

ACARTIA CLAUSI	16	7	57	11
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	40	25	144	38
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	3	0	10	0
PSEUDOCALANUS G	6	4	21	6
TEMORA LONGICOR	27	22	97	33

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	8	8	28	12
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 6 No6 23 06 71 00 1520

PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	23	2	82	4
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	54	27	194	58
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	3	1	10	2
PSEUDOCALANUS G	0	0	0	0
TEMORA LONGICOR	20	7	72	15

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	1	0	2
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	1	0	2
EUTERPINA ACUTI	0	2	0	4
MICROARTHRIIDION	0	5	0	11
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

ELECTRIC



GENERAL ELECTRIC Time - Sharing

PERCENTAGE n^{br}/sol. AVG. REPR. % in quantitative sample

CALANOIDA

ACARTIA CLAUSI	4	13	14	7
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	69	141	248	74
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	7	13	25	7
PSEUDOCALANUS G	6	6	21	3
TEMORA LONGICOR	14	16	50	8

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	1	0	1
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	0	0	0
MICROARTHRIIDION	0	1	0	1
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 8 M 08 050771 00 1800

PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	7	24	25	12
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	47	101	169	50
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	1	0	1
PARACALANUS PAR	5	19	18	9
PSEUDOCALANUS G	30	35	108	17
TEMORA LONGICOR	10	21	36	10

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	0	0	0
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	1	0	3	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

PERCENTAGE mb/50L ANG. REPR. % in quantitative sample

CALANOIDA

ACARTIA CLAUSI	33	55	136	30
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	23	60	82	33
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	11	28	39	15
PSEUDOCALANUS G	16	17	57	9
TEMORA LONGICOR	12	20	43	11

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	0	0	0
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	1	1	3	1
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 12

112

030771

00

PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	25	12	90	16
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	20	45	72	62
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	6	10	21	14
PSEUDOCALANUS G	15	4	54	5
TEMORA LONGICOR	34	2	122	3

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	0	0	0
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

Sharing Service GENERAL ELECTRIC

BULL



PERCENTAGE m²/sol AVG. REPR. % in quantitative sample

CALANOIDA

ACARTIA CLAUSI	25	6	20	16
CALANUS HELGOLA	1	0	3	0
CENTROPAGES HAM	14	6	50	16
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	14	2	50	5
PSEUDOCALANUS G	40	22	144	59
TEMORA LONGICOR	6	1	21	3

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	0	0	0
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 14 M 14 0907 71 00

PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	33	12	118	25
CALANUS HELGOLA	1	0	3	0
CENTROPAGES HAM	5	7	18	15
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	8	6	28	12
PSEUDOCALANUS G	52	22	187	46
TEMORA LONGICOR	1	1	3	2

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	0	0	0
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	1	0	1
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 15

M 15 090771 00

PERCENTAGE ml /sol ANG. REPR. % in quantitative sample

CALANOIDA

ACARTIA CLAVSI	39	5	140	19
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	19	3	68	12
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	3	6	10	23
PSEUDOCALANUS G	25	11	90	42
TEMORA LONGICOR	11	1	39	4

HARPACTICIDAE

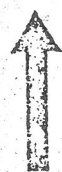
ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	0	0	0
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	2	0	7	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0



GENERAL ELECTRIC TIME

BULB

DETERMINATION 100 COPEPODS

CRUISE 02: AUGUST 1971

STATION 16 M16 170871 00 0830

CALANOIDA	PERCENTAGE	n ⁶ /50L	ANG. REPR.	% in quantitative sample
ACARTIA CLAUSI	8	0	28	0
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	0	0	0	0
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	16	2	57	0
PSEUDOCALANUS G	9	1	32	27
TEMORA LONGICOR	19	0	68	9
HARPACTICIDAE				0
ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	2	1	7	0
EUTERPINA ACUTI	6	0	21	9
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0
CYCLOPOIDA				
CYCLOPINA LITTO	0	0	0	0
COPEPODES PARASITES				
CALIGUS SP	40	6	144	55
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 17 M17 170871 00 2000

CALANOIDA	PERCENTAGE	ANG. REPR.
ACARTIA CLAUSI	41	2
CALANUS HELGOLA	0	0
CENTROPAGES HAM	0	0
EUCALANUS SP	0	0
ISIAS CLAVIPES	0	0
PARACALANUS PAR	7	0
PSEUDOCALANUS G	33	0
TEMORA LONGICOR	15	2
HARPACTICIDAE		
ALTEUTA SP	0	0
AMPHIASCOPSIS C	0	0
CANUELLA PERPLE	0	0
ECTINOSOMA ELON	0	0
EUTERPINA ACUTI	4	2
MICROARTHRIIDION	0	0
TACHIDIUS BREVI	0	0
CYCLOPOIDA		
CYCLOPINA LITTO	0	0
COPEPODES PARASITES		
CALIGUS SP	0	0
CORYCAEUS ANGLI	0	0
LERNEA SP	0	0

ELECTRIC



GENERAL ELECTRIC

Time - Sharing Service GEN

BULL

PERCENTAGE mb/sol.

ANG. REPR. % in quantitative sample

CALANOIDA

ACARTIA CLAUSI	61	33	219	58
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	2	0	7	0
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	3	3	10	5
PSEUDOCALANUS G	20	9	72	16
TEMORA LONGICOR	10	6	36	11

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	1	0	2
EUTERPINA ACUTI	0	0	0	0
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	2	0	7	0
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COPEPODES PARASITES

CALIGUS SP	2	2	7	3
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 19

M 19

1808 71

00

1900

PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	18	6	64	24
CALANUS HELGOLA	1	0	3	0
CENTROPAGES HAM	17	5	61	20
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	19	5	68	20
PSEUDOCALANUS G	12	1	43	4
TEMORA LONGICOR	33	8	113	32

HARPACTICIDAE

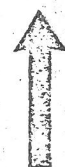
ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	0	0	0
MICROANTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0



	PERCENTAGE	nb/sol.	ANG. REPR.	2 in quantitative sample
CALANOIDA				
ACARTIA CLAUSI	7	3	25	7
CALANUS HELGOLA	5	2	18	5
CENTROPAGES HAM	7	0	25	0
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	62	31	243	75
PSEUDOCALANUS G	3	0	10	0
TEMORA LONGICOR	7	3	25	7
HARPACTICIDAE				
ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	0	0	0
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	1	0	2
CYCLOPOIDA				
CYCLOPINA LITTO	2	1	7	2
COPEPODES PARASITES				
CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 21 M 21 260871 00

	PERCENTAGE		ANG. REPR.	
CALANOIDA				
ACARTIA CLAUSI	16	3	57	20
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	6	1	21	7
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	58	11	203	73
PSEUDOCALANUS G	16	0	57	0
TEMORA LONGICOR	0	0	0	0
HARPACTICIDAE				
ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	4	0	14	0
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0
CYCLOPOIDA				
CYCLOPINA LITTO	0	0	0	0
COPEPODES PARASITES				
CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

	PERCENTAGE ml / sol	AVG. REPR. % in quantitative sample
CALANOIDEA		

ACARTIA CLAUSI	33	136
CALANUS HELGOLA	0	0
CENTROPAGES HAM	7	25
EUCALANUS SP	0	0
ISIAS CLAVIPES	0	0
PARACALANUS PAR	43	154
PSEUDOCALANUS G	7	25
TEMORA LONGICOR	5	18

HARPACTICIDAE

ALTEUTA SP	0	0
AMPHIASCOPSIS C	0	0
CANUELLA PERPLE	0	0
ECTINOSOMA ELON	0	0
EUTERPINA ACUTI	0	0
MICROARTHRIDION	0	0
TACHIDIUS BREVI	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0

COPEPODES PARASITES

CALIGUS SP	0	0
CORYCAEUS ANGLI	0	0
LERNEA SP	0	0

STATION 13 M 23 240871 00

	PERCENTAGE		ANG. REPR.	
CALANOIDA				

ACARTIA CLAUSI	67	10	241	67
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	9	2	32	13
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	12	3	43	20
PSEUDOCALANUS G	5	0	18	0
TEMORA LONGICOR	6	0	21	0

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	1	0	3	0
EUTERPINA ACUTI	0	0	0	0
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0

COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0



DETERMINATION 100 COPEPODES

CRUISE 03 : SEPTEMBRE 1971

STATION 01	1101	70971	0915	00	
	PERCENTAGE	m ³ /sol	ANG. REPR.	% in quantitative sample	
CALANOIDA					
ACARTIA CLAUSI	10	16	36	13	
CALANUS HELGOLA	0	0	0	0	
CENTROPAGES HAM	11	7	39	6	
EUCALANUS SP	0	0	0	0	
ISIAS CLAVIPES	0	0	0	0	
PARACALANUS PAR	13	2	46	2	
PSEUDOCALANUS G	0	0	0	0	
TEMORA LONGICOR	20	8	72	7	
HARPACTICIDAE					
ALTEUTA SP	0	0	0	0	
AMPHIASCOPSIS C	0	0	0	0	
CANUELLA PERPLE	0	0	0	0	
ECTINOSOMA ELON	0	0	0	0	
EUTERPINA ACUTI	19	84	68	69	
MICROARTHRIDION	0	0	0	0	
TACHIDIUS BREVI	0	0	0	0	
CYCLOPOIDA					
CYCLOPINA LITTO	6	1	21	1	
COPEPODES PARASITES					
CALIGUS SP	21	3	75	2	
CORYCAEUS ANGLI	0	0	0	0	
LERNEA SP	0	0	0	0	

STATION 52	1152	060971	00	2000	
	PERCENTAGE		ANG. REPR.		
CALANOIDA					
ACARTIA CLAUSI	33	29	118	13	
CALANUS HELGOLA	2	0	7	0	
CENTROPAGES HAM	12	8	43	4	
EUCALANUS SP	0	0	0	0	
ISIAS CLAVIPES	0	0	0	0	
PARACALANUS PAR	31	21	111	9	
PSEUDOCALANUS G	1	0	3	0	
TEMORA LONGICOR	11	23	39	10	
HARPACTICIDAE					
ALTEUTA SP	1	1	3	1	
AMPHIASCOPSIS C	0	0	0	0	
CANUELLA PERPLE	0	0	0	0	
ECTINOSOMA ELON	0	5	0	2	
EUTERPINA ACUTI	4	103	14	46	
MICROARTHRIDION	0	0	0	0	
TACHIDIUS BREVI	0	0	0	0	
LONGIPEDIA	0	3		1	
CYCLOPOIDA					
CYCLOPINA LITTO	1	7	3	3	
COPEPODES PARASITES					
CALIGUS SP	3	24	10	11	
CORYCAEUS ANGLI	1	0	3	0	
LERNEA SP	0	0	0	0	

PERCENTAGE m⁶/50LAVG. REPR. $\frac{1}{2}$ in quantitative sample

CALANOIDA

ACARTIA CLAUSI	20	21	72	14
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	2	3	7	2
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	4	0	3
PARACALANUS PAR	6	3	21	2
PSEUDOCALANUS G	0	0	0	0
TEMORA LONGICOR	23	11	32	7

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	1	0	1
EUTERPINA ACUTI	29	103	104	68
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	20	6	72	4
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 54

1754

200971

00

1900

PERCENTAGE

AVG. REPR.

CALANOIDA

ACARTIA CLAUSI	4	0	14	0
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	25	3	90	21
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	5	2	18	5
PSEUDOCALANUS G	0	0	0	0
TEMORA LONGICOR	4	1	14	2

HARPACTICIDAE

ALTEUTA SP	1	0	3	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	4	0	9
EUTERPINA ACUTI	28	10	100	23
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0
LONGICEPIDIA	0	3		7

CYCLOPOIDA

CYCLOPINA LITTO	17	6	61	16
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COPEPODES PARASITES

CALIGUS SP	16	7	57	16
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

PERCENTAGE mb/50L. ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	10	0	36	0
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	16	2	57	17
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	18	0	64	0
PSEUDOCALANUS G	17	0	61	0
TEMORA LONGICOR	7	1	25	8

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	17	10	61	83
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	15	0	54	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 59

M 59

210971

00 1030

PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	4	0	14
CALANUS HELGOLA	1	0	3
CENTROPAGES HAM	31	0	111
EUCALANUS SP	0	0	0
ISIAS CLAVIPES	0	0	0
PARACALANUS PAR	16	0	57
PSEUDOCALANUS G	2	0	7
TEMORA LONGICOR	12	0	43
LABIDOCERA MOLLASTONI	3	0	10

HARPACTICIDAE

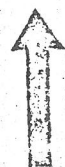
ALTEUTA SP	0	0	0
AMPHIASCOPSIS C	0	0	0
CANUELLA PERPLE	0	0	0
ECTINOSOMA ELON	0	0	0
EUTERPINA ACUTI	1	0	3
MICROARTHRIIDION	0	0	0
TACHIDIUS BREVI	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	1	0	3
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COPEPODES PARASITES

CALIGUS SP	29	1	104
CORYCAEUS ANGLI	0	0	0
LERNEA SP	0	0	0



GENERAL ELECTRIC Time - Sharing Service GENERAL

BUFILE

PERCENTAGE n°/sol

ANG. REPR. % in quantitative sample

CALANOIDA

ACARTIA CLAUSI	12	0	43
CALANUS HELGOLA	0	0	0
CENTROPAGES HAM	10	0	36
EUCALANUS SP	0	0	0
ISIAS CLAVIPES	0	0	0
PARACALANUS PAR	26	0	93
PSEUDOCALANUS G	0	0	0
TEMORA LONGICOR	24	2	86
LABIDOCERA WOLLSTONI	3	0	0

HARPACTICIDAE

ALTEUTA SP	0	0	0
AMPHIASCOPSIS C	0	0	0
CANUELLA PERPLE	0	0	0
ECTINOSOMA ELON	0	0	0
EUTERPINA ACUTI	1	0	3
MICROARTHRIIDION	0	0	0
TACHIDIUS BREVI	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0
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COPEPODES PARASITES

CALIGUS SP	24	0	86
CORYCAEUS ANGLI	0	0	0
LERNEA SP	0	0	0

STATION 61 1161 160971 00 2020

PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	6	0	21	0
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	1	0	3	0
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	7	0	25	0
PSEUDOCALANUS G	0	0	0	0
TEMORA LONGICOR	5	1	18	4
LABIDOCERA WOLLSTONI	4	0	3	0

HARPACTICIDAE

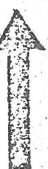
ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	1	0	3	0
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	79	23	284	96
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0



GENERAL ELECTRIC Time - Sharing

U.S. N. 1160

	PERCENTAGE	mb/50l.	ANG. REPR.	% in quantitative sample
CALANOIDA				
ACARTIA CLAUSI	44	10	158	53
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	5	1	18	5
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	37	4	133	21
PSEUDOCALANUS G	0	0	0	0
TEMORA LONGICOR	8	3	28	16

HARPACTICIDAE

ALTEUTA SP	1	0	3	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	2	1	7	5
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	3	0	10	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 66 M 66 140971 00 1830

PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	0	0	0
CALANUS HELGOLA	1	0	3
CENTROPAGES HAM	0	0	0
EUCALANUS SP	0	0	0
ISIAS CLAVIPES	0	0	0
PARACALANUS PAR	65	0	234
PSEUDOCALANUS G	0	0	0
TEMORA LONGICOR	4	0	14

HARPACTICIDAE

ALTEUTA SP	1	0	3
AMPHIASCOPSIS C	0	0	0
CANUELLA PERPLE	0	0	0
ECTINOSOMA ELON	0	0	0
EUTERPINA ACUTI	0	0	0
MICROARTHRIIDION	0	0	0
TACHIDIUS BREVI	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	1	0	3
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COPEPODES PARASITES

CALIGUS SP	27	0	97
CORYCAEUS ANGLI	1	0	3
LERNEA SP	0	0	0



1164 140971 00 1100

PERCENTAGE mg/50L. ANG. REPR. % in quantitative sample.

CALANOIDA

ACARTIA CLAUSI	17	8	61
CALANUS HELGOLA	3	0	10
CENTROPAGES HAM	2	0	7
EUCALANUS SP	0	0	0
ISIAS CLAVIPES	0	0	0
PARACALANUS PAR	50	9	180
PSEUDOCALANUS G	0	0	0
TEMORA LONGICOR	17	1	61

HARPACTICIDAE

ALTEUTA SP	0	0	0
AMPHIASCOPSIS C	0	0	0
CANUELLA PERPLE	0	0	0
ECTINOSOMA ELON	0	0	0
EUTERPINA ACUTI	0	0	0
MICROARTHRIIDION	0	0	0
TACHIDIUS BREVI	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	6	0	21
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COPEPODES PARASITES

CALIGUS SP	5	0	18
CORYCAEUS ANGLI	0	0	0
LERNEA SP	0	0	0

STATION 70

1170

230971

00

PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	11	0	39
CALANUS HELGOLA	0	0	0
CENTROPAGES HAM	7	0	25
EUCALANUS SP	0	0	0
ISIAS CLAVIPES	0	0	0
PARACALANUS PAR	55	0	198
PSEUDOCALANUS G	0	0	0
TEMORA LONGICOR	19	0	63

HARPACTICIDAE

ALTEUTA SP	5	0	18
AMPHIASCOPSIS C	0	0	0
CANUELLA PERPLE	0	0	0
ECTINOSOMA ELON	0	0	0
EUTERPINA ACUTI	0	0	0
MICROARTHRIIDION	0	0	0
TACHIDIUS BREVI	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0
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COPEPODES PARASITES

CALIGUS SP	3	0	10
CORYCAEUS ANGLI	0	0	0
LERNEA SP	0	0	0

10- Sharing Service GENERAL ELECTRIC

BULL



GEI

STATION 72

1172

150971

00 1330

PERCENTAGE

mg/sol

AVG. REPE.

% in quantitative sample

CALANOIDA

ACARTIA CLAUSI	16	1	57	7
CALANUS HELGOLA	40	8	144	53
CENTROPAGES HAM	4	4	14	27
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAE	37	1	133	7
PSEUDOCALANUS G	1	0	3	0
TEGODA LONGICOR	1	0	3	0
LABIDOCERA WOLLASTONI	1	0	3	0

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	0	0	0
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO

COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

SERIAL
 ELECTRIC
 Time - Sharing
 Serv

ZOOPLANKTON : EKOLOGIE EN SYSTEMATIEK V.U.B.

DETERMINATION 100 COPEPODS

CRUISE 05 : JANUARY 1972

STATION 1

1101

020172

1400

00

PERCENTAGE m³/50L.

AVG. REPR. % in quantitative Sample

CALANOIDA

ACARTIA CLAUSI	28	5	100	11
CALANUS HELGOLA	1	0	3	0
CENTROPAGES HAM	16	5	57	11
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	1	2	3	4
PSEUDOCALANUS G	2	1	7	2
TEMORA LONGICOR	27	4	97	9

HARPACTICIDAE

ALTEUTA SP	1	0	3	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	3	0	6
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	14	21	50	47
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	3	4	10	9
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COPEPODES PARASITES

CALIGUS SP	7	0	25	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

PERCENTAGE n/50L. AVG. REPR. % in quantitative sample.

CALANOIDA

ACARTIA CLAUSI	22	5	77	7
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	16	2	57	3
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	5	1	18	1
PSEUDOCALANUS G	2	0	7	0
TEMORA LONGICOR	51	8	133	11

HARPACTICIDAE

ALTEUTA SP	1	0	3	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	4	0	6
EUTERPINA ACUTI	2	48	7	67
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	1	4	3	6
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 3

11 03

03 0172

1420 00

PERCENTAGE

AVG. REPR.

CALANOIDA

ACARTIA CLAUSI	6	2	21	3
CALANUS HELGOLA	1	0	3	0
CENTROPAGES HAM	2	0	7	0
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	0	0	0	0
PSEUDOCALANUS G	2	0	7	0
TEMORA LONGICOR	84	29	302	50

HARPACTICIDAE

ALTEUTA SP	1	0	3	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	3	22	10	38
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	4	0	7
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COPEPODES PARASITES

CORYCAEUS ANGLI	0	1	0	1
LERNEA SP	1	0	3	0

BUILT GENERAL ELECTRIC Time - Sharing Service GENERAL

PERCENTAGE n^o/sol. AVG. REPR. % in quantitative sample

CALANOIDA

ACARTIA CLAUSI	3	0	10	0
CALANUS HELGOLA	5	0	13	0
CENTROPAGES HAM	11	1	39	3
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	0	0	0	0
PSEUDOCALANUS G	0	0	0	0
TEMORA LONGICOR	64	4	230	11

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CAVUELLA PERPLE	0	1	0	3
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	15	25	54	71
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	1	3	3	9
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COPEPODES PARASITES

CALIGUS SP	1	1	3	3
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 5

M05

100172

1430

00

PERCENTAGE

AVG. REPR.

CALANOIDA

ACARTIA CLAUSI	29	4	104	15
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	11	3	39	11
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	11	2	39	7
PSEUDOCALANUS G	0	0	0	0
TEMORA LONGICOR	30	14	103	52

HARPACTICIDAE

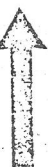
ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CAVUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	4	3	14	11
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	15	1	54	4
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0



GENERAL ELECTRIC Time - Sharing

BULL

STATION 6

M 06

100172

2000

00

PERCENTAGE

n⁶/50L.

AVG. REPR. % in quantitative sample

CALANOIDA

ACARTIA CLAUSI	11	10	32	30
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	42	17	151	51
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	0	0	0	0
PSEUDOCALANUS G	1	0	3	0
TEMORA LONGICOR	39	12	140	33

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	6	3	21	9
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	1	0	3
CORYCAEUS ANGLI	1	0	3	0
LERNEA SP	0	0	0	0

STATION 9

M 09

140172

1045

00

PERCENTAGE

AVG. REPR.

CALANOIDA

ACARTIA CLAUSI	23	3	82	18
CALANUS HELGOLA W	0	0	0	0
CENTROPAGES HAM	1	0	3	0
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	13	0	46	0
PSEUDOCALANUS G	4	1	14	6
TEMORA LONGICOR	6	1	21	6

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	36	11	129	65
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	4	1	14	6
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COPEPODES PARASITES

CALIGUS SP	12	0	43	0
CORYCAEUS ANGLI	1	0	3	0
LERNEA SP	0	0	0	0

SERVICE GENERAL ELECTRIC

ELECTRIC



GENERAL ELECTRIC

ELECTRIC

	PERCENTAGE		mg/sol.	ANG. REPR. % in quantitative sample	
CALANOIDA					

ACARTIA CLAUSI	29	21	104	30	
CALANUS HELGOLA	9	3	32	4	
CENTROPAGES HAM	4	2	14	3	
EUCALANUS SP	0	0	0	0	
ISIAS CLAVIPES	0	0	0	0	
PARACALANUS PAR	45	37	162	54	
PSEUDOCALANUS G	7	4	25	6	
TEMORA LONGICOR	5	0	18	0	

HARPACTICIDAE

ALTEUTA SP	0	0	0	0	
AMPHIASCOPSIS C	0	0	0	0	
CANUELLA PERPLE	0	0	0	0	
ECTINOSOMA ELON	1	0	3	0	
EUTERPINA ACUTI	0	0	0	0	
MICROARTHRIIDION	0	0	0	0	
TACHIDIUS BREVI	0	1	0	1	

CYCLOPOIDA

CYCLOPINA LITTO	0	1	0	1	
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0	
CORYCAEUS ANGLI	0	0	0	0	
LERNEA SP	0	0	0	0	

STATION 25 725 2408 71 00

	PERCENTAGE		ANG. REPR.	
CALANOIDA				

ACARTIA CLAUSI	28	21	100	40
CALANUS HELGOLA	20	9	72	17
CENTROPAGES HAM	3	4	10	8
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	1	0	3	0
PARACALANUS PAR	11	4	39	8
PSEUDOCALANUS G	22	7	79	13
TEMORA LONGICOR	15	8	54	12

HARPACTICIDAE

ALTEUTA SP	0	0	0	0	
AMPHIASCOPSIS C	0	0	0	0	
CANUELLA PERPLE	0	0	0	0	
ECTINOSOMA ELON	0	0	0	0	
EUTERPINA ACUTI	0	0	0	0	
MICROARTHRIIDION	0	0	0	0	
TACHIDIUS BREVI	0	0	0	0	

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0	
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0	
CORYCAEUS ANGLI	0	0	0	0	
LERNEA SP	0	0	0	0	

DETERMINATION 100 COPEPODES

CRUISE 03 : SEPTEMBRE 1971

STATION 01	1101	70971	0915	00	
	PERCENTAGE	m ³ /sol	ANG. REPR.	% in quantitative sample	
CALANOIDA					
ACARTIA CLAUSI	10	16	36	13	
CALANUS HELGOLA	0	0	0	0	
CENTROPAGES HAM	11	7	39	6	
EUCALANUS SP	0	0	0	0	
ISIAS CLAVIPES	0	0	0	0	
PARACALANUS PAR	13	2	46	2	
PSEUDOCALANUS G	0	0	0	0	
TEMORA LONGICOR	20	8	72	7	
HARPACTICIDAE					
ALTEUTA SP	0	0	0	0	
AMPHIASCOPSIS C	0	0	0	0	
CANUELLA PERPLE	0	0	0	0	
ECTINOSOMA ELON	0	0	0	0	
EUTERPINA ACUTI	19	84	68	69	
MICROARTHRIDION	0	0	0	0	
TACHIDIUS BREVI	0	0	0	0	
CYCLOPOIDA					
CYCLOPINA LITTO	6	1	21	1	
COPEPODES PARASITES					
CALIGUS SP	21	3	75	2	
CORYCAEUS ANGLI	0	0	0	0	
LERNEA SP	0	0	0	0	

STATION 52	1152	060971	00	2000	
	PERCENTAGE		ANG. REPR.		
CALANOIDA					
ACARTIA CLAUSI	33	29	118	13	
CALANUS HELGOLA	2	0	7	0	
CENTROPAGES HAM	12	8	43	4	
EUCALANUS SP	0	0	0	0	
ISIAS CLAVIPES	0	0	0	0	
PARACALANUS PAR	31	21	111	9	
PSEUDOCALANUS G	1	0	3	0	
TEMORA LONGICOR	11	23	39	10	
HARPACTICIDAE					
ALTEUTA SP	1	1	3	1	
AMPHIASCOPSIS C	0	0	0	0	
CANUELLA PERPLE	0	0	0	0	
ECTINOSOMA ELON	0	5	0	2	
EUTERPINA ACUTI	4	103	14	46	
MICROARTHRIDION	0	0	0	0	
TACHIDIUS BREVI	0	0	0	0	
LONGIPEDIA	0	3		1	
CYCLOPOIDA					
CYCLOPINA LITTO	1	7	3	3	
COPEPODES PARASITES					
CALIGUS SP	3	24	10	11	
CORYCAEUS ANGLI	1	0	3	0	
LERNEA SP	0	0	0	0	

PERCENTAGE m⁶/50L ANG. REPR. % in quantitative sample

CALANOIDA

ACARTIA CLAUSI	20	21	72	14
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	2	3	7	2
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	4	0	3
PARACALANUS PAR	6	3	21	2
PSEUDOCALANUS G	0	0	0	0
TEMORA LONGICOR	23	11	82	7

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	1	0	1
EUTERPINA ACUTI	29	103	104	68
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	20	6	72	4
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 54

1754

200971

00 1900

PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	4	0	14	0
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	25	3	90	21
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	5	2	18	5
PSEUDOCALANUS G	0	0	0	0
TEMORA LONGICOR	4	1	14	2

HARPACTICIDAE

ALTEUTA SP	1	0	3	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	4	0	9
EUTERPINA ACUTI	28	10	100	23
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0
LONGIPEDIA	0	3		7

CYCLOPOIDA

CYCLOPINA LITTO	17	6	61	16
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COPEPODES PARASITES

CALIGUS SP	16	7	57	16
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

GENERAL ELECTRIC Time - Sharing Service GENERAL ELECTRIC

BULL

PERCENTAGE ml/50L ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	10	0	36	0
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	16	2	57	17
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	18	0	64	0
PSEUDOCALANUS G	17	0	61	0
TEMORA LONGICOR	7	1	25	8

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELOV	0	0	0	0
EUTERPINA ACUTI	17	10	61	83
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	15	0	54	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 59 M 59 210971 00 1030

PERCENTAGE ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	4	0	14
CALANUS HELGOLA	1	0	3
CENTROPAGES HAM	31	0	111
EUCALANUS SP	0	0	0
ISIAS CLAVIPES	0	0	0
PARACALANUS PAR	16	0	57
PSEUDOCALANUS G	2	0	7
TEMORA LONGICOR	12	0	43
LABIDOCERA DOLLASTONI	3	0	10

HARPACTICIDAE

ALTEUTA SP	0	0	0
AMPHIASCOPSIS C	0	0	0
CANUELLA PERPLE	0	0	0
ECTINOSOMA ELON	0	0	0
EUTERPINA ACUTI	1	0	3
MICROARTHRIIDION	0	0	0
TACHIDIUS BREVI	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	1	0	3
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COPEPODES PARASITES

CALIGUS SP	29	1	104
CORYCAEUS ANGLI	0	0	0
LERNEA SP	0	0	0

↑ GENERAL ELECTRIC Time - Sharing Service GENERAL

STATION 60

1160

160971

00

1525

PERCENTAGE n° /sol

ANG. REPR. % in quantitative sample

CALANOIDA

ACARTIA CLAUSI	12	0	43
CALANUS HELGOLA	0	0	0
CENTROPAGES HAM	10	0	36
EUCALANUS SP	0	0	0
ISIAS CLAVIPES	0	0	0
PARACALANUS PAR	26	0	93
PSEUDOCALANUS G	0	0	0
TEMORA LONGICOR	24	2	86
LABIDOCERA WOOLSTONI	3	0	0

HARPACTICIDAE

ALTEUTA SP	0	0	0
AMPHIASCOPSIS C	0	0	0
CANUELLA PERPLE	0	0	0
ECTINOSOMA ELON	0	0	0
EUTERPINA ACUTI	1	0	3
MICROARTHRIIDION	0	0	0
TACHIDIUS BREVI	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0
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COPEPODES PARASITES

CALIGUS SP	24	0	86
CORYCAEUS ANGLI	0	0	0
LERNEA SP	0	0	0

STATION 61

1161

160971

00 2020

PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	6	0	21	0
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	1	0	3	0
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	7	0	25	0
PSEUDOCALANUS G	0	0	0	0
TEMORA LONGICOR	5	1	18	4
LABIDOCERA WOOLSTONI	4	0	3	0

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	1	0	3	0
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	79	23	284	96
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0



GENERAL ELECTRIC Time - Sharing

	PERCENTAGE	ml/50l.	ANG. REPR.	% in quantitative sample
CALANOIDA				
ACARTIA CLAUSI	44	10	158	53
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	5	1	18	5
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	37	4	133	21
PSEUDOCALANUS G	0	0	0	0
TEMORA LONGICOR	8	3	28	16

HARPACTICIDAE

ALTEUTA SP	1	0	3	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	2	1	7	5
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	3	0	10	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 66 M66 140971 00 1830

PERCENTAGE ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	0	0	0
CALANUS HELGOLA	1	0	3
CENTROPAGES HAM	0	0	0
EUCALANUS SP	0	0	0
ISIAS CLAVIPES	0	0	0
PARACALANUS PAR	65	0	234
PSEUDOCALANUS G	0	0	0
TEMORA LONGICOR	4	0	14

HARPACTICIDAE

ALTEUTA SP	1	0	3
AMPHIASCOPSIS C	0	0	0
CANUELLA PERPLE	0	0	0
ECTINOSOMA ELON	0	0	0
EUTERPINA ACUTI	0	0	0
MICROARTHRIIDION	0	0	0
TACHIDIUS BREVI	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	1	0	3
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COPEPODES PARASITES

CALIGUS SP	27	0	97
CORYCAEUS ANGLI	1	0	3
LERNEA SP	0	0	0



PERCENTAGE

ml / 50L

ANG. REPR.

% in quantitative sample

CALANOIDA

ACARTIA CLAUSI	17	8	61
CALANUS HELGOLA	3	0	10
CENTROPAGES HAM	2	0	7
EUCALANUS SP	0	0	0
ISIAS CLAVIPES	0	0	0
PARACALANUS PAR	50	9	180
PSEUDOCALANUS G	0	0	0
TEMORA LONGICOR	17	1	61

HARPACTICIDAE

ALTEUTA SP	0	0	0
AMPHIASCOPSIS C	0	0	0
CANUELLA PERPLE	0	0	0
ECTINOSOMA ELON	0	0	0
EUTERPINA ACUTI	0	0	0
MICROARTHRIIDION	0	0	0
TACHIDIUS BREVI	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	6	0	21
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COPEPODES PARASITES

CALIGUS SP	5	0	18
CORYCAEUS ANGLI	0	0	0
LERNEA SP	0	0	0

STATION 70

1170

230871

00

PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	11	0	39
CALANUS HELGOLA	0	0	0
CENTROPAGES HAM	7	0	25
EUCALANUS SP	0	0	0
ISIAS CLAVIPES	0	0	0
PARACALANUS PAR	55	0	198
PSEUDOCALANUS G	0	0	0
TEMORA LONGICOR	19	0	63

HARPACTICIDAE

ALTEUTA SP	5	0	18
AMPHIASCOPSIS C	0	0	0
CANUELLA PERPLE	0	0	0
ECTINOSOMA ELON	0	0	0
EUTERPINA ACUTI	0	0	0
MICROARTHRIIDION	0	0	0
TACHIDIUS BREVI	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0
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COPEPODES PARASITES

CALIGUS SP	3	0	10
CORYCAEUS ANGLI	0	0	0
LERNEA SP	0	0	0

10- Sharing Service GENERAL ELECTRIC

BULL



GEI

STATION 72

1172

150971

00 1330

PERCENTAGE

mg/sol

AVG. REPE.

% in quantitative sample

CALANOIDA

ACARTIA CLAUSI	16	1	57	7
CALANUS HELGOLA	40	8	144	53
CENTROPAGES HAM	4	4	14	27
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	37	1	133	7
PSEUDOCALANUS G	1	0	3	0
TEYORA LONGICOR	1	0	3	0
LABIDOCERA WOLLASTONI	1	0	3	0

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	0	0	0
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

SERIAL
 Electric Time - Sharing Serv

ZOOPLANKTON : EKOLOGIE EN SYSTEMATIEK V.U.B.

DETERMINATION 100 COPEPODS

CRUISE 05 : JANUARY 1972

STATION 1	1101	020172	1400	00
	PERCENTAGE	m ² /50L	AVG. REPR.	% in quantitative Sample
CALANOIDA				
ACARTIA CLAUSI	28	5	100	11
CALANUS HELGOLA	1	0	3	0
CENTROPAGES HAM	16	5	57	11
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	1	2	3	4
PSEUDOCALANUS G	2	1	7	2
TEMORA LONGICOR	27	4	97	9
HARPACTICIDAE				
ALTEUTA SP	1	0	3	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	3	0	6
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	14	21	50	47
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0
CYCLOPOIDA				
CYCLOPINA LITTO	3	4	10	9
COPEPODES PARASITES				
CALIGUS SP	7	0	25	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

	PERCENTAGE	nb/50L	AVG. REPR.	% in quantitative sample
CALANOIDA				
ACARTIA CLAUSI	22	5	77	7
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	16	2	57	3
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	5	1	18	1
PSEUDOCALANUS G	2	0	7	0
TEMORA LONGICOR	51	8	133	11

HARPACTICIDAE

ALTEUTA SP	1	0	3	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELOV	0	4	0	6
EUTERPINA ACUTI	2	48	7	67
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	1	4	3	6
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 3 N 03 03 0172 1420 00

PERCENTAGE

CALANOIDA

ACARTIA CLAUSI	6	2	21	3
CALANUS HELGOLA	1	0	3	0
CENTROPAGES HAM	2	0	7	0
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	0	0	0	0
PSEUDOCALANUS G	2	0	7	0
TEMORA LONGICOR	84	29	302	50

HARPACTICIDAE

ALTEUTA SP	1	0	3	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELOV	0	0	0	0
EUTERPINA ACUTI	3	22	10	38
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	4	0	7
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COPEPODES PARASITES

CORYCAEUS ANGLI	0	1	0	1
LERNEA SP	1	0	3	0

BULL. GENERAL ELECTRIC Time - Sharing Service GENERAL

PERCENTAGE

n°/sol.

AVG. REPR.

% in quantitative sample

CALANOIDA

ACARTIA CLAUSI	3	0	10	0
CALANUS HELGOLA	5	0	13	0
CENTROPAGES HAM	11	1	39	3
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	0	0	0	0
PSEUDOCALANUS G	0	0	0	0
TEMORA LONGICOR	64	4	230	11

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CAVUELLA PERPLE	0	1	0	3
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	15	25	54	71
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	1	3	3	9
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COPEPODES PARASITES

CALIGUS SP	1	1	3	3
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 5

M05

100172

1430

00

PERCENTAGE

AVG. REPR.

CALANOIDA

ACARTIA CLAUSI	29	4	104	15
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	11	3	39	11
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	11	2	39	7
PSEUDOCALANUS G	0	0	0	0
TEMORA LONGICOR	30	14	103	52

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CAVUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	4	3	14	11
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	15	1	54	4
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0



GENERAL ELECTRIC Time - Sharing

BULL

STATION 6

1106

100172

2000

00

PERCENTAGE

n^o/50L

AVG. REPR. % in quantitative sample

CALANOIDA

ACARTIA CLAUSI	11	10	32	30
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	42	17	151	51
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	0	0	0	0
PSEUDOCALANUS G	1	0	3	0
TEMORA LONGICOR	39	12	140	33

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	6	3	21	9
MICROANTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	1	0	3
CORYCAEUS ANGLI	1	0	3	0
LERNEA SP	0	0	0	0

STATION 9

1109

140172

1045

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PERCENTAGE

AVG. REPR.

CALANOIDA

ACARTIA CLAUSI	23	3	32	18
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	1	0	3	0
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	13	0	46	0
PSEUDOCALANUS G	4	1	14	6
TEMORA LONGICOR	6	1	21	6

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	36	11	129	65
MICROANTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	4	1	14	6
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COPEPODES PARASITES

CALIGUS SP	12	0	43	0
CORYCAEUS ANGLI	1	0	3	0
LERNEA SP	0	0	0	0

SERVICE GENERAL ELECTRIC

MULL



GENERAL ELECTRIC

MULL

STATION 16

M16

130172

1400 00

PERCENTAGE ml / 50L

AVG. REPR. % in quantitative sample

CALANOIDA

ACARTIA CLAUSI	27	11	97	35
CALANUS HELGOLA	1	0	3	0
CENTROPAGES HAM	5	1	13	4
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	33	8	113	29
PSEUDOCALANUS G	1	0	3	0
TEMORA LONGICOR	20	6	72	21

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	6	3	21	11
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	2	1	7	4
CORYCAEUS ANGLI	5	3	18	11
LERNEA SP	0	0	0	0

STATION 17

M17

130172

1445 00

PERCENTAGE

AVG. REPR.

CALANOIDA

ACARTIA CLAUSI	37	4	133
CALANUS HELGOLA	0	0	0
CENTROPAGES HAM	8	1	28
EUCALANUS SP	0	0	0
ISIAS CLAVIPES	0	0	0
PARACALANUS PAR	18	1	64
PSEUDOCALANUS G	0	0	0
TEMORA LONGICOR	8	1	28

HARPACTICIDAE

ALTEUTA SP	0	0	0
AMPHIASCOPSIS C	0	0	0
CANUELLA PERPLE	0	0	0
ECTINOSOMA ELON	0	0	0
EUTERPINA ACUTI	7	1	25
MICROARTHRIDION	0	0	0
TACHIDIUS BREVI	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0
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COPEPODES PARASITES

CALIGUS SP	12	0	43
CORYCAEUS ANGLI	10	1	36
LERNEA SP	0	0	0

10-1 Sharing Service GENERAL ELECTRIC

BUTLE

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 10-1

	PERCENTAGE	nb/sol.	AVG. REPR.	% in quantitative sample
CALANOIDA				
ACARTIA CLAUSI	17	6	61	12
CALANUS HELGOLA	1	0	3	0
CENTROPAGES HAM	3	1	10	2
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	47	31	169	60
PSEUDOCALANUS G	2	2	7	4
TEMORA LONGICOR	16	8	57	15

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	2	2	7	4
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	1	1	3	2
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COPEPODES PARASITES

CALIGUS SP	1	1	3	2
CORYCAEUS ANGLI	10	1	36	2
LERNEA SP	0	0	0	0

STATION 19 1719 11 0172 1430 00

PERCENTAGE

ANG. REPR.

CALANOIDA				
ACARTIA CLAUSI	33	10	118	29
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	8	2	28	6
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	21	9	75	26
PSEUDOCALANUS G	2	0	7	0
TEMORA LONGICOR	24	9	86	26

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	6	4	21	12
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	6	0	21	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

PERCENTAGE

ANG. REPR. % in quantitative sample

CALANOIDA

ACARTIA CLAUSI	32	5	115	18
CALANUS HELGOLA	2	0	7	0
CENTROPAGES HAM	6	2	21	7
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	21	9	75	32
PSEUDOCALANUS G	4	2	14	7
TEMORA LONGICOR	18	2	64	7

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	7	5	25	18
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	1	0	3	0
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COPEPODES PARASITES

CALIGUS SP	8	2	28	7
CORYCAEUS ANGLI	1	1	3	4
LERNEA SP	0	0	0	0

STATION 21

1121

130172

1000

00

PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	25	8	90	21
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	6	2	21	5
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	16	7	57	18
PSEUDOCALANUS G	0	0	0	0
TEMORA LONGICOR	11	5	39	13

HARPACTICIDAE

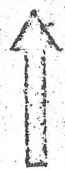
ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	11	5	39	13
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	2	0	7	0
CORYCAEUS ANGLI	29	11	104	28
LERNEA SP	0	0	0	0



GENERAL ELECTRIC

Time -

Sharing Service

GENERAL

ELECTRIC

GENERAL ELECTRIC

STATION 22

M 22

060172

1445 00

PERCENTAGE ml/sol.

AVG. REPR. % in quantitative sample

CALANOIDA

ACARTIA CLAUSI	52	28	187	28
CALANUS HELGOLA	0	1	0	1
CENTROPAGES HAM	2	2	7	2
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	10	41	36	41
PSEUDOCALANUS G	12	1	43	1
TEMORA LONGICOR	21	6	75	6

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	6	0	6
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	3	15	10	15
LERNEA SP	0	0	0	0

STATION 23

M 23

060172

1115

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PERCENTAGE

AVG. REPR.

CALANOIDA

ACARTIA CLAUSI	38	30	136	46
CALANUS HELGOLA	5	0	18	0
CENTROPAGES HAM	3	1	10	2
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	11	20	39	31
PSEUDOCALANUS G	9	0	32	0
TEMORA LONGICOR	31	1	111	2

HARPACTICIDAE

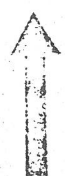
ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	1	5	3	8
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	1	0	2
CORYCAEUS ANGLI	0	7	0	10
LERNEA SP	0	0	0	0



GENERAL



ELECTRIC

Time

Sharing

Service

BULL

1127 050172 00

	PERCENTAGE ml/50L		AVG. REPR. % in quantitative sample	
CALANOIDA				
ACARTIA CLAUSI	47	44	162	48
CALANUS HELGOLA	1	0	3	0
CENTROPAGES HAM	2	1	7	1
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	19	24	68	31
PSEUDOCALANUS G	6	0	21	0
TEMORA LONGICOR	24	10	86	11

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	3	0	10
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	2	0	2
CORYCAEUS ANGLI	1	2	3	2
LERNEA SP	0	0	0	0

STATION 25 1125 050172 1000 00

PERCENTAGE AVG. REPR.

CALANOIDA				
ACARTIA CLAUSI	17	11	61	46
CALANUS HELGOLA	3	0	10	0
CENTROPAGES HAM	3	0	10	0
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	7	2	25	8
PSEUDOCALANUS G	3	0	10	0
TEMORA LONGICOR	65	6	234	25

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	2	5	7	21
MICROARTHRIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

ZOOPLANKTON : EKOLOGIE EN SYSTEMATIEK V.U.B.

DETERMINATION 100 COPEPODS
CRUISE 02 APRIL 1972

STATION 65

M65

180472

6.00

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PERCENTAGE nb/50l ANG. REPR. % in quantitative sample.

CALANOIDA

ACARTIA CLAUSI	44	153
CALANUS HELGOLA	0	0
CENTROPAGES HAM	5	18
EUCALANUS SP	0	0
ISIAS CLAVIPES	0	0
PARACALANUS PAR	7	25
PSEUDOCALANUS G	15	54
TEMORA LONGICOR	27	97

HARPACTICIDAE

ALTEUTA SP	0	0
AMPHIASCOPSIS C	0	0
CANUELLA PERPLE	0	0
ECTINOSOMA ELON	0	0
EUTERPINA ACUTI	0	0
MICROARTHRIIDION	0	0
TACHIDIUS BREVI	0	0

CYCLOPOIDA

CYCLOPINA LITTO	2	7
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COPEPODES PARASITES

CALIGUS SP	0	0
CORYCAEUS ANGLI	0	0
LERNEA SP	0	0

STATION 2689

M 2689

180472

1300

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PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	48	1	172
CALANUS HELGOLA	0	0	0
CENTROPAGES HAM	1	0	3
EUCALANUS SP	0	0	0
ISIAS CLAVIPES	0	0	0
PARACALANUS PAR	1	0	3
PSEUDOCALANUS G	8	0	28
TEMORA LONGICOR	41	1	147

HARPACTICIDAE

ALTEUTA SP	0	0	0
AMPHIASCOPSIS C	0	0	0
CANUELLA PERPLE	0	0	0
ECTINOSOMA ELON	0	0	0
EUTERPINA ACUTI	0	0	0
MICROARTHRIIDION	0	0	0
TACHIDIUS BREVI	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	1	0	3
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COPEPODES PARASITES

CALIGUS SP	0	0	0
CORYCAEUS ANGLI	0	0	0
LERNEA SP	0	0	0

PERCENTAGE m²/50L. ANG. REPR. % in quantitative sample.

CALANOIDA

ACARTIA CLAUSI	11	2	39	6
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	9	2	32	6
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	25	5	90	16
PSEUDOCALANUS G	5	2	18	6
TEMORA LONGICOR	41	11	147	35

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	4	8	14	26
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	5	1	18	3
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 61

M 61

1415

170472

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PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	37	23	133	52
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	4	1	14	2
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	17	9	61	20
PSEUDOCALANUS G	4	0	14	18
TEMORA LONGICOR	37	8	133	

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	3	0	7
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0
LONGICOR	1	0	3	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

	PERCENTAGE	nb/sol	ANG. REPR.	% in quantitative sample.
CALANOIDA				

ACARTIA CLAUSI	34	4	122	
CALANUS HELGOLA	0	0	0	
CENTROPAGES HAM	27	0	97	
EUCALANUS SP	0	0	0	
ISIAS CLAVIPES	0	0	0	
PARACALANUS PAR	5	1	13	
PSEUDOCALANUS G	6	0	21	
TEMORA LONGICOR	27	3	97	

HARPACTICIDAE

ALTEUTA SP	0	0	0	
AMPHIASCOPSIS C	0	0	0	
CANUELLA PERPLE	0	0	0	
ECTINOSOMA ELON	0	0	0	
EUTERPINA ACUTI	0	0	0	
MICROARTHRIIDION	0	0	0	
TACHIDIUS BREVI	0	0	0	

CYCLOPOIDA

CYCLOPINA LITTO	1	0	3	

COPEPODES PARASITES

CALIGUS SP	0	0	0	
CORYCAEUS ANGLI	0	0	0	
LERNEA SP	0	0	0	

STATION 72 M 72 0130 180472 00

	PERCENTAGE	ANG. REPR.
CALANOIDA		

ACARTIA CLAUSI	25	90
CALANUS HELGOLA	0	0
CENTROPAGES HAM	16	57
EUCALANUS SP	0	0
ISIAS CLAVIPES	0	0
PARACALANUS PAR	1	3
PSEUDOCALANUS G	24	86
TEMORA LONGICOR	34	122

HARPACTICIDAE

ALTEUTA SP	0		0	
AMPHIASCOPSIS C	0		0	
CANUELLA PERPLE	0		0	
ECTINOSOMA ELON	0		0	
EUTERPINA ACUTI	0		0	
MICROARTHRIIDION	0		0	
TACHIDIUS BREVI	0		0	

CYCLOPOIDA

CYCLOPINA LITTO	0		0	

COPEPODES PARASITES

CALIGUS SP	0		0	
CORYCAEUS ANGLI	0		0	
LERNEA SP	0		0	

STATION 67

M 67

1030

1404 72

00

	PERCENTAGE	n°/sol	ANG. REPR.	% quantitative sample.
CALANOIDA				
ACARTIA CLAUSI	22	22	79	15
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	8	13	28	9
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	6	9	21	6
PSEUDOCALANUS G	17	7	61	5
TEMORA LONGICOR	46	93	165	64

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	0	0	0
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	1	0	3	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

STATION 59

M 59

1700

1404 72

00

	PERCENTAGE		ANG. REPR.	
CALANOIDA				
ACARTIA CLAUSI	34	8	122	17
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	15	16	54	35
EUCALANUS SP	0	0	0	0
ISIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	34	18	122	39
PSEUDOCALANUS G	3	0	10	0
TEMORA LONGICOR	14	1	50	2

HARPACTICIDAE

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	3	0	6
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0	0	0
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COPEPODES PARASITES

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0

11649 1300 140472 00

PERCENTAGE ml/sol. AVG. REPR.

CALANOIDA

ACARTIA CLAUSI	22	1	79
CALANUS HELGOLA	0	0	0
CENTROPAGES HAM	9	4	32
EUCALANUS SP	0	0	0
ISIAS CLAVIPES	0	0	0
PARACALANUS PAR	4	2	14
PSEUDOCALANUS G	6	0	21
TEMORA LONGICOR	57	1	205

HARPACTICIDAE

ALTEUTA SP	0	0	0
AMPHIASCOPSIS C	0	0	0
CANUELLA PERPLE	0	0	0
ECTINOSOMA ELON	0	0	0
EUTERPINA ACUTI	0	0	0
MICROARTHRIIDION	0	0	0
TACHIDIUS BREVI	0	0	0

CYCLOPOIDA

CYCLOPINA LITTO	2	0	7
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COPEPODES PARASITES

CALIGUS SP	0	0	0
CORYCAEUS ANGLI	0	0	0
LERNEA SP	0	0	0

STATION 1486

M 1486

2000 140472 00

PERCENTAGE

AVG. REPR.

CALANOIDA

ACARTIA CLAUSI	24	36
CALANUS HELGOLA	0	0
CENTROPAGES HAM	37	133
EUCALANUS SP	0	0
ISIAS CLAVIPES	0	0
PARACALANUS PAR	4	14
PSEUDOCALANUS G	14	50
TEMORA LONGICOR	19	68

HARPACTICIDAE

ALTEUTA SP	0	0
AMPHIASCOPSIS C	0	0
CANUELLA PERPLE	0	0
ECTINOSOMA ELON	0	0
EUTERPINA ACUTI	0	0
MICROARTHRIIDION	0	0
TACHIDIUS BREVI	1	3

CYCLOPOIDA

CYCLOPINA LITTO	1	3
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COPEPODES PARASITES

CALIGUS SP	0	0
CORYCAEUS ANGLI	0	0
LERNEA SP	0	0

	PERCENTAGE	ANG. REPR.
CALANOIDA		

ACARTIA CLAUSI	29	104
CALANUS HELGOLA	0	0
CENTROPAGES HAM	2	7
EUCALANUS SP	0	0
ISIAS CLAVIPES	0	0
PARACALANUS PAR	2	7
PSEUDOCALANUS G	10	36
TEMORA LONGICOR	57	205

HARPACTICIDAE

ALTEUTA SP	0	0
AMPHIASCOPSIS C	0	0
CANUELLA PERPLE	0	0
ECTINOSOMA ELON	0	0
EUTERPINA ACUTI	0	0
MICROARTHRIIDION	0	0
TACHIDIUS BREVI	0	0

CYCLOPOIDA

CYCLOPINA LITTO	0	0

COPEPODES PARASITES

CALIGUS SP	0	0
CORYCAEUS ANGLI	0	0
LERNEA SP	0	0

STATION 01 M.01 1630 40472 00

	PERCENTAGE	ANG. REPR.
CALANOIDA		

ACARTIA CLAUSI	0	0
CALANUS HELGOLA	0	0
CENTROPAGES HAM	6	21
EUCALANUS SP	0	0
ISIAS CLAVIPES	0	0
PARACALANUS PAR	0	0
PSEUDOCALANUS G	1	3
TEMORA LONGICOR	91	327

HARPACTICIDAE

ALTEUTA SP	0	0
AMPHIASCOPSIS C	0	0
CANUELLA PERPLE	0	0
ECTINOSOMA ELON	0	0
EUTERPINA ACUTI	0	0
MICROARTHRIIDION	0	0
TACHIDIUS BREVI	0	0

CYCLOPOIDA

CYCLOPINA LITTO	2	7

COPEPODES PARASITES

CALIGUS SP	0	0
CORYCAEUS ANGLI	0	0
LERNEA SP	0	0

PERCENTAGE

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	3	10
CALANUS HELGOLA	0	0
CENTROPAGES HAM	5	18
EUCALANUS SP	0	0
ISIAS CLAVIPES	0	0
PARACALANUS PAR	0	0
PSEUDOCALANUS G	2	7
TEMORA LONGICOR	82	295

HARPACTICIDAE

ALTEUTA SP	0	0
AMPHIASCOPSIS C	0	0
CANUELLA PERPLE	0	0
ECTINOSOMA ELON	0	0
EUTERPINA ACUTI	0	0
MICROARTHRIIDION	0	0
TACHIDIUS BREVI	0	0

CYCLOPOIDA

CYCLOPINA LITTO	1	3
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COPEPODES PARASITES

CALIGUS SP	0	0
CORYCAEUS ANGLI	0	0
LERNEA SP	0	0

STATION 1344

M 1344

1315

120472

00

PERCENTAGE

ml / sol.

ANG. REPR.

CALANOIDA

ACARTIA CLAUSI	19	1	68
CALANUS HELGOLA	0	0	0
CENTROPAGES HAM	24	0	86
EUCALANUS SP	0	0	0
ISIAS CLAVIPES	0	0	0
PARACALANUS PAR	13	2	46
PSEUDOCALANUS G	8	0	28
TEMORA LONGICOR	27	0	97

HARPACTICIDAE

ALTEUTA SP	0	0	0
AMPHIASCOPSIS C	0	0	0
CANUELLA PERPLE	0	0	0
ECTINOSOMA ELON	0	0	0
EUTERPINA ACUTI	0	0	0
MICROARTHRIIDION	0	0	0
TACHIDIUS BREVI	4	0	14

CYCLOPOIDA

CYCLOPINA LITTO	5	0	18
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COPEPODES PARASITES

CALIGUS SP	0	0	0
CORYCAEUS ANGLI	0	0	0
LERNEA SP	0	0	0

STATION 1348	M 1348	1730	120472	00
	PERCENTAGE	nb/sol.	AVG. REPR.	% in quantitative sample.
CALANOIDA				

ACARTIA CLAUSI	2	0	7	0
CALANUS HELGOLA	0	0	0	0
CENTROPAGES HAM	6	5	21	12
EUCALANUS SP	0	0	0	0
ETIAS CLAVIPES	0	0	0	0
PARACALANUS PAR	38	18	136	42
PSEUDOCALANUS G	33	19	118	45
TEMORA LONGICOR	19	0	68	0
HARPACTICIDAE				

ALTEUTA SP	0	0	0	0
AMPHIASCOPSIS C	0	0	0	0
CANUELLA PERPLE	0	0	0	0
ECTINOSOMA ELON	0	0	0	0
EUTERPINA ACUTI	0	0	0	0
MICROARTHRIIDION	0	0	0	0
TACHIDIUS BREVI	0	0	0	0
LONGIPEDIA	1	0	3	0
CYCLOPOIDA				

CYCLOPINA LITTO	1	0	3	0
COPEPODES PARASITES				

CALIGUS SP	0	0	0	0
CORYCAEUS ANGLI	0	0	0	0
LERNEA SP	0	0	0	0